

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) Antenna An antenna pane comprising at least one glass pane and at least one electrically conductive coating which is subdivided by barrier lines into a number of electrically isolated segments, on the antenna pane the coating incorporates at least one strip-like segmented surface portion in which the distance between the barrier lines is so small that the coating there can transmit HF radiation in a specified frequency range, wherein the segmented surface portion is, by contacting in contact areas at its two longitudinal sides and by its outer dimensions, constructed as a slot antenna for electromagnetic radiation in the range of frequencies which the segmented surface portion can transmit.

2. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the barrier lines within the segmented surface portion form a linear or lattice raster with a constant raster unit size.

3. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the barrier lines within the segmented surface portion form a raster with a variable raster unit size, variable barrier line width or variable raster form.

4. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the barrier lines within the segmented surface portion have at least partly a non-rectilinear form.

5. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the segmented surface portion is constructed as a slot antenna for VHF range.

6. (Currently Amended) Antenna The antenna pane in accordance with claim 5, wherein in a part of the segmented surface portion a raster which can transmit frequencies above the VHF range and is finer than in other areas of the segmented surface portion is provided and in that at least one antenna for frequencies above the VHF range is arranged in this part.

7. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the segmented surface portion in an area in which it is contacted as a slot antenna incorporates a constriction which reduces a width of the segmented surface portion.

8. (Currently Amended) Antenna The antenna pane in accordance with claim 7, wherein the constriction comprises a strip-like portion of the coating, the strip-like portion projects into the segmented surface portion and is constructed as an antenna for a frequency range above a reception range of the slot antenna.

9. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the barrier lines are first barrier lines, and wherein the coating incorporates a heatable area electrically isolated from an area of the coating adjacent to the segmented surface portion by at least one second barrier line and provided with bus bars.

10. (Currently Amended) Antenna The antenna pane in accordance with claim 9, wherein the heatable area is provided with at least some of the second barrier lines influencing distribution of heating current.

11. (Currently Amended) Antenna The antenna pane in accordance with claim 9, wherein the heatable area is wired as an antenna for VHF and/or AM range.

12. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein in the coating an AM antenna bounded by at least some of the barrier lines and with an assigned AM antenna connecting area is provided.

13. (Currently Amended) Antenna The antenna pane in accordance with claim 1, wherein the segmented surface portion is surrounded on all sides by the electrically conductive coating.

14. (Currently Amended) Antenna The antenna pane in accordance with claim 4, wherein the non-rectilinear form is one of an undulating, curved, zigzagged and fractal form.

15. (Currently Amended) Antenna The antenna pane in accordance with claim 2, wherein the barrier lines within the segmented surface portion have at least partly a non-rectilinear form.

16. (Currently Amended) Antenna The antenna pane in accordance with claim 2, wherein the segmented surface portion is constructed as a slot antenna for VHF range.

17. (Currently Amended) Antenna The antenna pane in accordance with claim 2, wherein the segmented surface portion in an area in which it is contacted as a slot antenna incorporates a constriction which reduces a width of the segmented surface portion.

18. (Currently Amended) Antenna The antenna pane in accordance with claim 2, wherein the coating incorporates a heatable area electrically isolated from an area of the coating adjacent to the segmented surface portion by at least one of the barrier lines and provided with bus bars.

19. (Currently Amended) Antenna The antenna pane in accordance with claim 2, including an AM antenna provided in the coating and bounded by the barrier lines, the AM antenna comprising an assigned AM antenna connecting area.

20. (Currently Amended) Antenna The antenna pane in accordance with claim 2, wherein the segmented surface portion is surrounded on all sides by the electrically conductive coating.